

CLAIM SET AS AMENDED

1. (currently amended) A multi-display projector comprising:

an input pattern memory for storing input format parameters, ~~which that~~ specify the a number of active pixels, ~~the a~~ a number of active lines, ~~the an~~ an initial active pixel, and ~~the an~~ an active initial line of input image signals having ~~arbitrary~~ different formats, said input format parameters being stored for each of said different formats;

a frame memory for storing active image signals extracted from said input image signals based on said input format parameters;

a display pattern memory for storing display parameters, which designate a region of an image to be displayed; and

a display unit ~~means which that~~ displays said region of the image by processing said active image signals stored in said frame memory based on said display parameters.

2. (currently amended) A multi-display projector claimed in claim 1, wherein [[:]] said display parameters further including include ~~the a~~ a horizontal offset and ~~the a~~ a vertical offset ~~which that~~ designate ~~the an~~ amounts amount of displacement of ~~the a~~ a display position when the display position of ~~an the~~ the image is displaced horizontally and vertically; and

wherein the position of a display image in the ~~displaying~~  
~~means~~ display unit is adjusted by changing the values of said  
horizontal offset and said vertical offset.

3. (currently amended) A multi-display projector claimed in claim  
1, further comprising:

an A/D converter for converting analog image signals to  
digital image signals, wherein the input pattern memory stores  
parameters of said A/D converter based on which ~~said~~ the analog  
image signals are converted to said digital image signals.

4. (original) A multi-display system comprising:

a plurality of multi-display projectors as claimed in claim 1,  
said multi-display projectors being arranged in both horizontal and  
vertical direction; and

controlling means for controlling the operation of each of  
said multi-display projectors.

5. (new) A method of projecting an image:

detecting input format parameters from input image signals,  
which have different formats;

storing the input format parameters in an input format memory,  
the input format parameters specifying a number of active pixels, a

number of active lines, an initial active pixel, and an active initial line of the input image signals, the input format parameters being stored for each of the different formats of the input image signals;

storing active image signals that are extracted from the input image signals, the active image signals being stored in a frame memory on the basis of the input format parameters;

storing display parameters in a display pattern memory, the display parameters designating a region of an image that is to be displayed; and

displaying the region of the image by processing the active image signals stored in the frame memory on the basis of the display parameters.

6. (new) A multi-display system comprising:

a plurality of projectors for displaying an image or a portion of an image, the plurality of projectors being arranged adjacent to one another, wherein each of the plurality of projectors includes:

an input format detector for detecting input format parameters from input image signals that have different formats;

an input format memory for storing the detected input format parameters, the input format parameters specifying a number of active pixels, a number of active lines, an initial active pixel,

and an active initial line of the input image signals, the input format parameters being stored for each of the different formats of the input image signals;

a frame memory for storing active image signals that are extracted from the input image signals, the active image signals being stored in a frame memory on the basis of the input format parameters;

a<sup>1</sup>  
cont a display pattern memory for storing display parameters, which designate a region of an image that is to be displayed on the basis of a display adjusting signal; and

a display unit for displaying the region of the image by processing the active image signals stored in the frame memory on the basis of the display parameters.

7. (new) The multi-display system according to claim 6, further comprising a controller for providing the display pattern memory with the display adjusting signal in order to designate the region of the image that is to be displayed.

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